



US EPA RECORDS CENTER REGION 5



396650

OUTBOARD MARINE CORPORATION

100 Sea Horse Drive
Waukegan, Illinois 60085-2195
Phone 847/689-6200

10 September 1997

Mr. Michael E. Bellot
Remedial Project Manager
/Waukegan Harbor Site On-Scene Coordinator
U.S. Environmental Protection Agency
77 W. Jackson Boulevard SR-6J
Chicago, IL 60604-3590

SEP 17 1997

VIA CERTIFIED MAIL**RE: Waukegan Harbor Superfund Site
United States of America and the People of the State of Illinois
vs. the Outboard Marine Corporation
Civil Action #88 C 8571
Transmittal of Corrected Tables 5 & 6 for Quarterly Report**

Dear Mr. Bellot:

As we discussed today, Table 5 of the Quarterly Report submitted recently contained misleading differential calculations for June 16, 1997, when only select wells were measured. I also spoke with Lynne Ewing of the U.S. Army Corps of Engineering today and informed her of the situation. OMC regrets any confusion the misprinting may have caused. Note that an inward hydraulic gradient was maintained in the containment cells throughout the quarter.

The spreadsheet computer file for water level measurements has the differential formula for gradient between well-piezometer pairs built into it. When a water level is not entered in a depth to water cell, the formula essentially tries to calculate the differential using the top of riser pipe elevation (assuming the depth to water is zero), not a true water level reading. This results in a meaningless differential number. To avoid incorrect calculations, "Not Taken" and "--" are generally written in the appropriate cells over the formulae for dates where readings were not taken. Unfortunately, some of the cells were inadvertently not overwritten for that date so the differential and elevation readings are misleading. The report tables are linked automatically to the spreadsheet files and the error was not caught in the final printout. In addition, the last column border of Table 6 did not print completely.

Enclosed are revised Tables 4, 5, and 6 for insert into the quarterly report to replace the incorrectly printed pages. Please destroy the old pages and substitute these corrected ones in your file copies. If you have any questions, please feel free to call me at 847/689-5228 or Roger Crawford at 847/689-5219.

Sincerely,

Tricia Sutton
Senior Environmental Specialist
Manager - Remediation

enclosure

cc: See distribution list (attached)

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**QUARTERLY PROGRESS REPORT
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TABLE 4
EAST CONTAINMENT GROUND WATER DATA
WAUKEGAN HARBOR REMEDIAL ACTION

		W-5	P-5	W-6	P-6	W-7	P-7	W-8	P-8	R-3	R-4
	T.O.R.	588.80	587.90	588.31	587.96	586.71	587.08	586.67	587.86	591.93	591.98
DATE		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
7/1/97	DEPTH	6.27	8.61	5.79	8.57	4.35	7.55	4.25	8.52	12.59	12.76
7:45 am	ELEV.	582.53	579.29	582.52	579.39	582.36	579.53	582.42	579.34	579.34	579.22
	DIFF.	3.24		3.13		2.83		3.08			
								^Note W-8 measured 6/30,3:30 p.m.			
8/4/97	DEPTH	6.20	8.53	5.78	8.52	4.21	7.47	4.00	8.45	10.45	12.66
	ELEV.	582.60	579.37	582.53	579.44	582.50	579.61	582.67	579.41	581.48	579.32
	DIFF.	3.23		3.09		2.89		3.26			

TABLE 5

**WEST CONTAINMENT GROUND WATER DATA
WAUKEGAN HARBOR REMEDIAL ACTION**

		W 9	P 9	W 10	P 10	W-11	P-11	W-12	P-12	R-5	R-6
	T.O.R.	587.81	588.01	587.51	587.52	589.26	588.12	587.13	587.80	603.83	601.56
DATE		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
June 10, 1997	DEPTH	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	4.59	5.93	Not Taken	Not Taken
11:20 am	ELEV.	--	--	--	--	--	--	582.54	581.87	--	--
	DIFF.	--		--		--		0.67			
June 13, 1997	DEPTH	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	4.88	5.96	25.57	28.72
8:50 am	ELEV.	--	--	--	--	--	--	582.25	581.84	578.26	572.84
	DIFF.	--		--		--		0.41			
June 16, 1997	DEPTH	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	4.05	6.44	Not Taken	Not Taken
11:00 am	ELEV.	--	--	--	--	--	--	583.08	581.36	--	--
	DIFF.	--		--		--		1.72			
June 20, 1997	DEPTH	5.02	8.20	4.62	7.40	5.79	8.73	4.75	7.10	28.67	31.86
10:00 am	ELEV.	582.79	579.81	582.89	580.12	583.47	579.39	582.38	580.70	575.16	569.70
	DIFF.	2.98		2.77		4.08		1.68			
July 1, 1997	DEPTH	4.98	8.47	4.44	8.39	5.98	8.92	4.65	7.41	28.66	32.39
8:10 am	ELEV.	582.83	579.54	583.07	579.13	583.28	579.20	582.48	580.39	575.17	569.17
to 14:20	DIFF.	3.29		3.94		4.08		2.09			
July 30, 1997	DEPTH	4.59	7.64	4.38	7.49	5.97	8.17	4.34	6.81	23.87	21.32
3:45 pm	ELEV.	583.22	580.37	583.13	580.03	583.29	579.95	582.79	580.99	579.96	580.24
	DIFF.	2.85		3.10		3.34		1.80			
August 4, 1997	DEPTH	4.98	8.91	4.53	8.69	6.11	9.16	4.71	7.62	27.73	
	ELEV.	582.83	579.10	582.98	578.83	583.15	578.96	582.42	580.18	576.10	601.56
	DIFF.	3.73		4.15		4.19		2.24			
August 27, 1997	DEPTH	4.51	9.17	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken
3:57 pm	ELEV.	583.30	578.84	--	--	--	--	--	--	--	--
	DIFF.	4.46		--		--		--		--	

TABLE 6

**TEMPORARY DESIGNATED SOIL STOCKPILE (PNA Cell)
WATER LEVEL READINGS
WAUKEGAN HARBOR REMEDIAL ACTION**

	READING				
READING	ABOVE	ELEVATION	ACTION	DIFFERENCE	COMMENTS/
DATE	SUMP	(feet MSL)	LEVEL	(IN INCHES)	INSPECTION NOTES
	(IN INCHES)		(feet MSL)		
6/27/97	34.50	585.69	586.14	-5.46	Bird has vacated nest on manhole cover. Removed old nest. Odor of droppings is pervasive. Cover of cell ok. Some weeds have started to grow in low areas of cover where mud has accumulated.
7/30/97	35.50	585.77	586.14	-4.46	Cover Ok.
8/27/97	36.00	585.81	586.14	-3.96	Cover Ok.